

ACCESSION: NR: A24025940

S/0056/64/046/003/1074/1073

AUTHOR: Azhgirey, L. S.; Klepikov, N. P.; Kuzekin, Yu. P.; Meshcheryakov, M. G.;  
Murushev, S. B.; Stoletov, G. D.

TITLE: Further refinement of pp scattering phase shifts at 657 MeV

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 46, no. 3, 1964,  
1074-1078

TOPIC TAGS: pp scattering, scattering phase shift, triple scattering parameter,  
mixing parameter, absorption parameter, phase shift real part, unique phase shift

ABSTRACT: In view of additional information recently obtained by various investi-  
gators, the results of a phase shift analysis of pp scattering at 657 MeV are re-  
fined by taking into account new data on the angular dependence of the triple-  
scattering parameter A. These experimental data are found to be represented with  
statistical reliability by a set of the real parts of the phase shifts, the mix-  
ing parameters, and the averaged absorption parameters. Arguments are presented  
which show that the obtained phase shift set is unique, particularly in view

ACCESSION NR: AP4025940

of the smooth transition between the solution and the corresponding curves for energies below 345 MeV. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Ob'yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 30Aug63

DATE ACQ: 16Apr64

ENCL: 01

SUB CODE: PH

NR REF SOV: 006

OTHER: 003

ENCLOSURE: 01

ACCESSION NR: LP4025940

$\delta^*$	1	2	3	4	5	6
	49.7	39.4	39.5	29.7	24.1	24.1
$\delta(P_{11})$	-23.0 ± 1.1	-33.5 ± 1.1	-32.0 ± 1.5	-22.1 ± 1.1	-31.0 ± 1.2	-31.7 ± 1.1
$\delta(P_{12})$	-51.5 ± 4.6	-62.4 ± 7.4	-57.7 ± 4.4	-44.5 ± 4.4	-55.2 ± 4.6	-55.2 ± 4.6
$\delta(P_{21})$	-36.1 ± 1.4	-37.6 ± 2.7	-37.7 ± 1.1	-37.7 ± 1.1	-37.7 ± 1.1	18.3 ± 1.1
$\delta(P_{22})$	16.8 ± 1.2	16.4 ± 1.4	11.7 ± 1.4	17.0 ± 1.1	-17.0 ± 1.1	-2.4 ± 1.6
$\delta$	-2.4 ± 1.1	-1.4 ± 1.6	-3.6 ± 1.4	-5.5 ± 1.6	4.3 ± 1.6	7.0 ± 1.6
$\delta(P_{31})$	11.4 ± 2.1	10.0 ± 2.1	4.7 ± 1.4	4.0 ± 1.6	-2.2 ± 1.6	-3.6 ± 1.6
$\delta(P_{32})$	-4.4 ± 1.6	-5.9 ± 1.6	-5.9 ± 1.6	-5.9 ± 1.6	-5.9 ± 1.6	1.7 ± 1.6
$\delta(P_{41})$	0.5 ± 1.3	1.5 ± 1.3	2.0 ± 1.3	2.4 ± 1.3	2.7 ± 1.6	2.7 ± 1.6
$\delta(P_{42})$	1.2 ± 0.8	1.3 ± 0.8	1.2 ± 0.7	1.2 ± 0.7	1.2 ± 0.7	-3.7 ± 1.7
$\delta$	(-2.811)	(-2.811)	-5.4 ± 1.4	-3.8 ± 1.3	-4.1 ± 1.4	3.9 ± 2.1
$\delta(P_{51})$	7.0 ± 0.7	4.2 ± 0.7	6.7 ± 1.4	6.7 ± 1.4	6.7 ± 1.4	0.2 ± 0.9
$\delta(P_{52})$	(1.211)	0.1 ± 0.6	0.4 ± 0.7	0.3 ± 0.7	-2.0 ± 1.3	(-2.670)
$\delta(P_{61})$	(-2.670)	(-2.670)	(-2.670)	(-2.670)	(-2.670)	(-2.670)
$\delta(P_{62})$	(0.621)	(0.621)	(0.621)	(0.621)	1.0 ± 0.4	(0.721)
$\delta(P_{11})$	$0.937 \pm 0.022$	$0.929 \pm 0.021$	$0.936 \pm 0.022$	$0.934 \pm 0.022$	$0.945 \pm 0.022$	$0.945 \pm 0.022$
$\delta(P_{12})$	$0.572 \pm 0.037$	$0.606 \pm 0.036$	$0.574 \pm 0.037$	$0.575 \pm 0.037$	$0.578 \pm 0.038$	$0.578 \pm 0.038$
$\delta(P_{21})$	1.13	1.01	0.90	0.90	0.88	0.86

Real values of barred phase shifts (degrees) and absorption coefficient for different numbers of the varied parameters.  
 \*The parentheses indicate the phase shift values calculated in the one-meson approximation.

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L 54620-65

EWT(m)/T/EWA(m)-2

S/0367/65/001/001/0122/0129

ACCESSION NR: AR5007713

AUTHOR: Azhgirey, L.S.; Kumekln, Yu. P.; Nurushev, S.B.; Solov'yanov, V.L.; Stoletov, G.D.

TITLE: Parameters of triple scattering of protons by carbon nuclei at 660 MeV and a comparison of the results of the analysis of NN and pC-scattering

SOURCE: Yadernaya fizika, v. 1, 1965, 122-129

TOPIC TAGS: triple proton carbon scattering, NN high energy scattering, nucleon nucleus scattering, scattering polarization rotation, NN scattering phase analysis, carbon nucleus, proton scattering

ABSTRACT: Numerous investigators have previously studied (see, e.g., A.K. Kerman, H. McManus, R.M. Thaler, Ann. of Phys., 8, 551, 1959) the quantitative connection between the nucleon-nucleus and nucleon-nucleon scattering and have found, within the framework of the superposition model, a satisfactory agreement up to 310 MeV. In a previous paper (ZhETF, 44, 177, 1963), the authors analyzed the results of measurements of the differential cross section and polarization during elastic scattering through small angles of 660 MeV protons on carbon nuclei and concluded that the spin-orbit potential of

Card 1/3

L 54620-65

ACCESSION NR: AR5007713

the nucleon-nucleon interaction is complex. Measurements have now been made of the parameters A and R describing the rotation of the polarization vector during the elastic scattering of 660 MeV protons by carbon nuclei at 5°. All the available data on pC-scattering at 660 MeV have been used to determine the parameters of the optical potential. Their values at 5° are  $-0.240 \pm 0.091$  and  $0.76 \pm 0.15$ , respectively. The results of the analysis of the data on pC-scattering at 310 MeV and 660 MeV are compared with the results of the phase shift analysis of NN-scattering at the same energies within the framework of the superposition model (Yu. M. Kazarinov, V. S. Kiselev, ZhETF, 46, 707, 1964). Calculations show that none of the phase shift sets for the NN-scattering can be brought into agreement with the scattering on nuclei. In view of the good agreement at 310 MeV, these discrepancies at 660 MeV can hardly be explained by a possible inaccuracy of the theory used during the comparison." The authors thank M. G. Meshecheryakov for his constant interest in the work, Yu. M. Kazarinov and R. M. Ryndin for useful discussions, and A. S. Kuznetsov for help during the tuning of the electronic equipment." Orig. art. has: 6 formulas, 3 figures and 3 tables.

ASSOCIATION: Ob"yedinenyy Institut yadernykh issledovaniy (Joint Institute for Nuclear Studies)

Card 2/3

L 54620-65

ACCESSION NR: AP5007713

SUBMITTED: 01Jul64

NO REF SOV: 011

ENCL: 00

SUB CODE: NP

OTHER: 009

*see*  
Card 3/3

AZHAROV, I.M., KRIVIN, Yu.P., KURSHOV, S.B., SOLOV'YANOV, V.L., STOLETOV, G.D.

Parameters of triple proton scattering by carbon nuclei at 660 Mev. and  
a comparison of the results of an analysis of NN and pC-scattering.  
Izv. fiz. i no. 1:122-129 Ja '65. (MIRA 18:7)

I. Ob'edinenyy institut yadernykh issledovaniy.

L 26682-66 EWT(m)/T

ACC NR: AF6014898

SOURCE CODE: UR/0367/65/002/005/0892/0896

AUTHOR: Azhgirey, L. S.--Azhgirey, L. S.; Kumekin, Yu. P.--Kumekin, Ju. P.; 21  
Meshcheryakov, M. G.--Meshcheryakov, M. G.; Stoletov, G. D. Nurubay, S. G. B  
Solov'yanov, V. L.--Solovyanov, V. L.

ORG: Joint Institute for Nuclear Research (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Measurement of polarization in pp-scattering with 667 mev

SOURCE: Yadernaya fizika, v. 2, no. 5, 1965, 892-896<sup>19</sup>

TOPIC TAGS: proton scattering, proton polarization

ABSTRACT: The polarization in pp-scattering in the interval  $4.4^\circ \leq \theta \leq 48.2^\circ$  is found from an experiment on double scattering of protons by protons; for large angles, by means of renormalization of the measurements with 635 mev. An increase in polarization in pp-scattering appeared with an increase in energy from 602 to 656 mev. Analysis of the angular dependence of the polarization showed that with 667 mev a significant contribution to the polarization is made by the triplet states with angular momentum up to and including  $l = 5$ . The set of phase shifts is described by the values of polarization obtained with other experimental data in the vicinity of 660 mev. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 20 / SUBM DATE: 02Jul65 / ORIG REF: 004 / OTH REF: 005

SOV REF: 004

Card 1/1 BbG

STOLETOV S.B.

ANDRIY, G. A., KROKIN, Yu. P., MUKHOMEDOV, M. G., et al.

"Polarization of the M-Scattering Amplitudes Averaged Over Isotopic States at 60 MeV"

Report presented at Intl. Conference on High Energy Physics, Geneva, held July 1972

Joint Institute for Nuclear Research  
Lab. of Nuclear Problems

C 11

11

Some metabolic processes in sprouting and ripening wheat grain. Y. N. Steklov, T. A. Prokhorukova, and E. I. Krynkin. *Problemy Biokhimi i Molekulyar'noi Biol. Akad. Nauk S.S.S.R., Moscow, No. 1, 151 (1961)*. A wheat grain on sprouting secretes carbohydrates into surrounding medium (aq.). This occurs especially in the stage of "milk" ripeness. Grain collected at this stage shows high viability. Drying such grain mixed with other parts of the plant appears to lead to exchange of metabolites so that the grains retain their viability. L. M. Kozlovskii

STOLETOV, V. N.

23070 Michurinskoye ucheniye gibridnogo rasteniya. Agrobiologiya, 1949,  
No. 3, C. 116-31

SO: LETOPIS' NO. 31, 1949

Moscow (1949)

Director of the K. A. Timiryazev Academy of Agriculture in Moscow, (1949).

"On the Teaching of Michurinist Biology," Pravda, 1949.

Current Digest of the Soviet Press, Vol. No. 41, 1949, page 42. (In  Library)

СТОЛЕЦОВ, В. И.

"Against Reactionary Mendelism and Morganism" Collection of Articles edited by:  
M. B. Mitin, N. I. Nuzhdin, A. I. Ozerin, N. M. Sisakyan, V. I. Stoletov.  
Publishing House of the Akad. Nauk, USSR, Moscow-Leningrad, 1950, 350 pp.  
Rev. by M. F. Nikitenko.

SO: Progress of Contemporary Biology, Vol. 32, 1951, No. 3 (6)

Stalin, V.

Deputy Minister of Agriculture

"On Training Mass Collective Farm Cadres"

Current Digest of the Soviet Press, Vol. 2, No. 35, 1950, page 36. (In  Library)

USSR/Biology - Grafting, Radioactive Isotopes May/June 51

"Exchange of Phosphorous Tracer in Grafted Plants," V. M. Kuchlovskiy, V. M. Stolev, T. P. Yevhaki-Mova, Moscow Agr Acad Imeni Timiryazev

"Iz Ak Nauk SSSR, Ser Biol" No 3, pp 72-85

Used grafts of tomatoes on nightshade and vice versa for investigations of exchange of P32. Administered tracer through root syst of grafter after clog had taken root, by raising plants in soln contg P32 prior to grafting, by growing clons in P32 soln and then grafting them onto plants containing no P32 and vice

USSR/Biology - Grafting, Radioactive Isotopes (Contd) May/June 51 18676

versa, and by injection of P32 into roots. Observed movement of tracer and its distribution in grafters and clons. Gives results in tables.

18676

STOLETOV, V. N.

Potatoes

Problem of selection. Izv. AN SSSR. Ser. biol. no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED.

1. STOILETOV, V. M.; GI ONTI, YE. I.
2. USSR (600)
4. wheat
7. What we get from the hybridization and selection of winter wheat plants which formed spikes after spring sowing, Trudy Inst. gen., No. 19, 1952.

9. Monthly List of Russian Accessions. Library of Congress, April, \_\_\_\_\_ 1953, Uncl.

STALIN, V. I.

W/S  
631  
.58

The Fundamentals of Michurin Biology. Moscow, Foreign Languages Publishing House, 1953.

171 P.

USSR/General Division - General Problems. Philosophy.  
Methodology.

A-1

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25636

Author : Stoletov, V.

Inst :

Title : Agricultural Science and Production.

Orig Pub : Kommunist, 1954, No 12, 28-43

Abst : Future prospects of the development of agricultural science are examined with reference to the task of increasing sharply the output of farm products. The vital need to coordinate theory and practice, science and production, is emphasized. It is pointed out that an important shortcoming of agricultural science is the imperfect contact existing between many scientific organizations and production. On the other hand, institutions of higher education sometimes underrate the importance of theory and fail to devote a proper share of attention to

Card 1/2

STOLTOV, Yevolod Nikolayevich, prof.; KLESHCHENOK, I.P., red.; PARSADANOVA,  
K.O., red. izd-va; PAVLOVA, V.A., tekhn. red.

[Intraspecific transformations and their character] Vnutrividovye  
prevrashchenia i ikh kharakter. Moskva, Gos. izd-vo "Sovetskaya  
nauka," 1957. 694 p. (MIRA 11:5)  
(Wheat breeding)

USSR / Cultivated Plants. General Problems.

H-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24926

Author : Stoletov, V. N.

Inst : Not given

Title : The Utilization of Ionizing Radiation in Selection

Orig Pub: Seleksiya i semenovodstvo, 1957, No 3, 7-14

Abstract: The author gives a modest account of the practical achievements in selection obtained up to date by means of ionizing radiation. He expresses the opinion that the progress in research on the effect of these radiation on plants will facilitate working out the basic problems of materialistic biology and that one of the valid fundamental concepts of this research should be the theory of plant development by stages. The Michurin biologists, in the opinion of the author, "have

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Abs Jour: Ref Zhur-Biol., No 6, 1958, 24926

Abstract: committed a grave error in not having to date  
APPROVED FOR RELEASE: 08/26/2000" CIA-RDP86-00513R001653330008-2"  
radiation on plants. -L.B.

Card 2/2

7

NEMCHENKO, V.S.; BOCHAROV, M.D.; KRISTOSTUR'YAN, N.G.; CHERKASOV, V.I.;  
ANDREYANOV, V.V.; KAUFMAN, V.M.; PAKHMANOV, V.F.; ZVORYKIN, A.A.,  
otv.red.; ANICHKOV, M.N., red.; BARDIN, I.P., red.; BLADONRAVOV,  
A.A., red.; VVEDENSKIY, B.A., red.; GRIGOR'YEV, A.A., red.;  
KAPUSTINSKIY, A.F., red.; KOLMOGOROV, A.N., red.; MIKHAYLOV, A.A.,  
red.; OPARIN, A.I., red.; PETROV, P.M., red.; STOLETOV, V.N., red.;  
STRAKHOV, N.M., red.; FIGUROVSKIY, M.A., red.; KOSTI, S.D., tekhn.red.

[Biographical dictionary of leaders in the natural sciences and  
technology] Biograficheskiy slovar' deiatelei estestvosnaniia  
i tekhniki. Vol.1. A - L. Otvetstvennyi red. A.A.Zvorykin. Red.  
kollegiia: M.N.Anichkov i dr. Moskva, Gos.nauchn.izd-vo "Bol'shaia  
Sovetskaiia Entsiklopediia." 1958. 548 p. (MIRA 12:4)

1. Redaktsiia istorii estestvosnaniya i tekhniki Bol'shoy Sovetskoy  
Entsiklopedii (for Nemchenko, Bocharov, Kristostur'yan, Cherkasov,  
Andreyanov, Kaufman, Pakhmanov).  
(Scientists)

STOLETOV, V.

"Speed of biological transformations."

VESTNIK. Praha, Czechoslovakia, Vol. 5, No. 7/8, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified

SEVLETOV, V. H., SHESTAKOV, S. V., GLAZER, V. M., FILIPPOV, V. D.,

"The Biochemistry of Dissociation of *Bacillus brevis* GB."

report submitted for the 11th Intl. Congress of Genetics, The Hague, Netherlands,  
2-10 Sep 63

STOLETOV, V. N., ODINTSOVA, YE. N., and SHINKOVITS, M.,

"The Phenomenon of Heterosis and Vitamin Concentration in Maize Plant."

report submitted for the 11th Intl. Congress of Genetics, The Hague, Netherlands,  
2-10 Sep 63

STOLETOV, V.N.; IVANOVSKAYA, Ye.V.

Interaction between the nucleus and cytoplasm in the endosperm  
of a wheat ovary damaged by a bite. Izv. AN SSSR. Ser. Biol.  
29 no.1:81-97 Ja-F'64. (MIRA 17:3)

1. Moskovskiy gosudarstvennyy universitet, biologo-pochvennyy  
fakul'tet.

STOILETOV, V.N.; BUDNITSKAYA, Ye.V.; AGAMOLOVA, S.P.; KUESHAROVA, T.A.

Nature of variation of the nucleic acid content in the embryos  
of seeds of different wheat varieties. Dokl. AN SSSR 158 no.4:  
963-966 0 '64. (MIRA 17:11)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova i  
Institut biokhimii im. A.N. Bakha AN SSSR. Predstavleno aku-  
demikom A.N. Belozerskim.

SIOLKOV, V.N., prof., Institut d'hereditat i evolyutsiya  
KOSMALOVA, G.P., KANDIDAT NA UCHENIYE

Content of nucleic acids in the endo-symbiont, in prokaryotes,  
and transitional forms of them. (In: T. 10, 1965, 1-15, 1965,  
1965, 1965)

I. Kafedra genotiki i selektsii zoolozhskiy universitet  
sel'khozvuznyatsynnoy oriena Leningradskiy universitet  
Submitted May 7, 1965.

STOLETOV, V.N.; LUKIN, A.A.

Studies on the effect of streptomycin and penicillin on the dissociation of *Bacillus brevis* var. G-B. Antibiotiki 10 no.1:23-26  
Ja '65. (MIRA 18:4)

1. Kafedra genetiki biologo-pochvennogo fakul'teta Moskovskogo universiteta imeni Lomonosova.

STOLETOV, V.N.; GLAZER, V.M.; SHESTAKOV, S.V.

Content of acid soluble phosphorus compounds in different variants  
of *Bacillus brevis* var. G.-B. *Mikrobiologiya* 34 no. 4:584-589 JI-Ag  
'65. (MIRA 18:10)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova.

STOLETOV, V.N.; BUDNITSKAYA, Ye.V.; AGAMALOVA, S.R.; KUMSHANOVA, T.A.;  
NIKITINA, Ye.I.

Characteristics of the changes in nucleic acid metabolism in  
ontogeny of various wheat forms. Izv. AN SSSR, Ser. biol. no.6:  
836-847 N-D '65. (MIRA 18:11)

1. Gosudarstvennyy universitet im. M.V. Lomonosova i Institut  
biokhimi im. A.N. Bakha AN SSSR.

EL'KOVICH, S.I.; ERDASOVA, G.V.; STRETOV, V.N.

Partial removal of damaging irradiation effect and the mutation process in cereals plants. Genetika no.3:70-74 S 1965.

(MIRA 18:12)

1. Institut biologicheskoy fiziki AN SSSR, Moskva. Submitted March 30, 1965.

SILOVTOV, V.S.; ZHEVNER, V.D.; GARIBYAN, D.V.; SPEKTAROV, S.Y.

Nitrosomethylurea induced pigment mutations in *Anacytis nidularis*.  
Genetika no. 6:61-66 3 '65 (MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet, kafedra genetiki i  
selektii.

ACC NR: AT/002511

SOURCE CODE: UR/0000/66/000/000/0269/0276

AUTHOR: Khalil, A. A.; Khvostova, V. V.; Stoletov, V. N.

ORG: Institute of Biological Physics, AN SSSR, Moscow (Institut biologicheskoy fiziki AN SSSR); MGU im. Lomonosov

TITLE: Comparative study of the effect of certain chemical and physical mutagenic factors on barley seeds

SOURCE: AN SSSR. Nauchnyy sovet Radiobiologiya. Vliyaniye ioniziruyushchikh izlucheniy na nasledstvennost' (Effect of ionizing radiation on heredity). Moscow, Izd-vo Nauka, 1966, 269-276

TOPIC TAGS: radiation <sup>plant</sup> genetic effect, ~~radiation biochemical effect~~, neutron irradiation, ~~biological mutation~~ <sup>gamma irradiation, plant genetics, fast neutron, plant development, agriculture crop</sup>

ABSTRACT: This investigation was performed in an attempt to determine the specificity of action of certain physical and chemical mutagens, barley being the object of investigation. Among the investigated mutagenic factors fast neutrons in a dose of 600 rad and ethylmethane sulfonate in a concentration of 0.5% were found to reduce the germination rate most, inhibit plant growth, adversely affect the grain content, density of the spike, and number of grains in the spike. On the basis of studying chlorophyll mutations the authors state that fast neutrons are much more effective

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UDC: none

ACC NR: AT7002511

than  $\gamma$ -rays, but for barley produce a similar spectrum of chlorophyll mutations, mainly the Albina type (68.6%). Of the chemical mutagens the most effective with respect to number of mutations was ethylmethane sulfonate but ethylenimine yielded the greatest diversity of chlorophyll mutations. When the growing plants were exposed to chronic  $\gamma$ -irradiation the number of mutations was greater by a factor of 23 than when dormant seeds were exposed. Orig. art. has: 2 tables and 2 figures. [26]

SUB CODE: 06/ SUBM DATE: 01Sep66/ ORIG REF: 001/ OTH REF: 010  
ATD PRESS: 5117

Card 2/2

STOLETOVA, O.G., inzh.

Determining the places for grounding electric circuits. Elek. i topl.  
tiaga 2 no.2:32-33 P '58. (MIRA 11:4)

1. Depo Likhobory, Moskovsko-Okrushnoy dorogi.  
(Diesel locomotives) (Electric currents--Grounding)

СТОЛТОВА.

Textile Workers

With textile workers of Ivanovo. V pom. profaktivu 13, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

STOLENIKOVA, I. M., Cand Chem Sci (diss) -- "Investigation of the polymerization of substituted Alpha-methyl styrols under high pressure". Moscow, 1959. 8 pp (Acad Sci USSR, Inst of Organoelemental Compounds), 100 copies (Kl. No 9, 1960, 122)

SOV/62-59-8-21/42

5(3)

AUTHORS: Korshak, V. V., Polyakova, A. M., Stoletova, I. M.

TITLE: Investigation of the Effect of Pressure on the Polymerization Capacity of  $\alpha$ -Methylstyrenes Substituted in the Nucleus. Communication 1. Polymerization of p-Substituted  $\alpha$ -Methylstyrenes Under Pressure

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 8, pp 1471-1476 (USSR)

ABSTRACT: In order to investigate the above mentioned p-substituted styrenes the following monomers were synthesized according to methods already mentioned in literature: p, $\alpha$ -dimethylstyrene, p-chloro- $\alpha$ -methylstyrene, p-bromo- $\alpha$ -methylstyrene. They cannot polymerize according to the radical mechanism but form copolymers (Refs 3, 4). The polymerization was carried out at a pressure of 6000 atm and 120° in 5 hours. The results are given in tables 1-4 and figures 1-9. From these results it follows that the p, $\alpha$ -methylstyrene which usually does not polymerize according to the radical mechanism is able to polymerize under extremely high pressures. When different pressures were applied it was found that all monomers investigated polymerize at 6000 atm without initiator and give a good yield. p-Chloro- $\alpha$ -methylstyrene has

Card 1/2

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Investigation of the Effect of Pressure on the SOV/62-59-8-21/42  
Polymerization Capacity of  $\alpha$ -Methylstyrenes Substituted in the Nucleus,  
Communication 1. Polymerization of p-Substituted  $\alpha$ -Methylstyrenes Under  
Pressure

the highest polymerization rate. At 4500 atm p-bromo-methylstyrene is slowest. It has the greatest spatial hindrance in its molecule compared to the other monomers. In the case of all three monomers the reaction rate increases with an increase of the pressure from 1 - 6000 atm. The molecular weight of the polymers increased as well. Furthermore, the polymers were investigated thermomechanically and it was found that the nature of the substituents in  $\alpha$ -methylstyrene influences the thermomechanical properties of the polymer. The syntheses of the monomers are described. There are 1 figure, 1 table, and 14 references, 4 of which are Soviet.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk SSSR  
(Institute of Elemental-organic Compounds, Academy of Sciences, USSR)

SUBMITTED: October 10, 1957

Card 2/2

5(3)

SOV/62-59-8-22/42

AUTHORS:

Korshak, V. V., Polyakova, A. M., Stoletova, I. M.

TITLE:

Investigation of the Effect of Pressure on the Polymerization Capacity of  $\alpha$ -Methylstyrenes Substituted in the Nucleus. Communication 2. Ortho-substituted  $\alpha$ -Methylstyrenes

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 8, pp 1477-1479 (USSR)

ABSTRACT:

The following compounds were investigated with respect to their capacity to polymerize under pressure: o, $\alpha$ -dimethylstyrene, o-chloro- $\alpha$ -methylstyrene, and 2,5-dichloro- $\alpha$ -methylstyrene. The second compound polymerizes neither according to the radical nor ion mechanism, nor can it be copolymerized. As in the case of p-substituted styrenes (Ref 1), the investigations were carried out at a pressure of 6000 atm and temperatures between 120 and 180°. The results showed that the said compounds could not polymerize according to the radical mechanism, while copolymerizes with styrene and p-chlorostyrene were obtained.

Card 1/2

Investigation of the Effect of Pressure on the Polymerization Capacity of  $\alpha$ -Methylstyrenes Substituted in the Nucleus, Communication 2. Ortho-substituted  $\alpha$ -Methylstyrenes SOV/62-59-8-22/42

The results are given in a table. The reason for the resistance to polymerization is considered to be the screening effect of the  $\alpha$ -methyl group and the blocking effect of the o-substituent. The synthesis of the monomers is described in the experimental part. There are 1 figure, 1 table, and 5 references, 2 of which are Soviet.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk SSSR (Institute of Elemental-organic Compounds, Academy of Sciences, USSR)

SUBMITTED: October 10, 1957

Card 2/2

STOLETOVA, Yekaterina Alekseyevna, lek'tor sel'khozhozyaystvovannykh nauk;  
VIKHEV, S.D., red.; NIILOV, S.H., red.; MOLODTSOVA, M.G., tekhn. red.

[Buckwheat] Grachika. Izd. 3., serer. i top. Moskva, Uss. izi-vo  
sel'khoz. lit-ry, 1958. 255 p. (MIRA 11:11)  
(Buckwheat)

MILOSEVIC, B.; ZUJOVICH, Dj; STOLKVICH, B; PEROVIC, M.

The application of hysterosalpingography in diagnosis in gynecology. Srpski arh.celok.lek.83 no.1:61-75 Jan '55.

1. Ginekološko-akuserska klinika Medicinskog fakulteta u Beogradu.  
Upravnik: prof.dr Sinisa Tasovac. Radioloski institut Medicinskog  
fakulteta u Beogradu. Upravnik: prof. dr. Stojan Dedic.

(GYNECOLOGICAL DISEASES, diag.  
hysterosalpingography (Ser))

(GENITALIA FEMALE, radiography  
hysterosalpingography in diag. of gyn.dis.(Ser))

KOSTIC, Petar; STOLEVIC, Emilija

Frontal presentation. Srpski arh. celok. lek. 87 no.10:884-894  
0 ' 59.

1. Ginekolosko-akuserska klinika Medicinsk g fakulteta u Beogradu,  
upravnik: prof. dr Sinisa Tasovac.  
(LABOR PRESENTATION)

MILOSEVIC, B.; STOLEVIC, E.; KRAJINOVIC, S.

Blood groups in female genital carcinoma. Higijena 13 no.2:95-100 '61.

(GENITALIA FEMALE neopl) (BLOOD GROUPS)

MRSEVIC, Slavka; MILOSEVIC, Bosiljak; BANDUR, Bojana; STOLEVIC, Emilija

Middlebrook-Dubos hemagglutination test in serological diagnosis of genital tuberculosis in women. Srpski arh. celok. lek. 89 no.3: 261-268 Mr '61.

1. Mikrobioloski institut Medicinskog fakulteta u Beogradu. Upravnik: prof. dr Milutin Durisic. Ginekolosko-akuserska klinika Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Sinisa Tasovac.

(TUBERCULOSIS FEMALE GENITAL diag)  
(HEMAGGLUTINATION)

1. STOL'GANE, A. A.
2. USSR (600)
4. Soils
7. Investigation of the process of improving soil. Pochvovedenie. No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1. СБОРНИК, сборник и сборники; СБОРНИК, С.Ю., сборник;  
СБОРНИК, С.Ю., сборник; СБОРНИК, С.Ю., сборник, сборник, сборник.

Assembly, adjustment, and operation of devices and systems of automatization and control in the petroleum industry] Montazh, nalazh i eksploatatsia priborov i sistem avtomatizatsii i kontrolya v neftianoi promyshlennosti. Moskva, Nedra, 1965. 203 p. (USSR 18:11)

STOLIAROV, N., inzh. (Leningrad)

The lightning. Nauka i tekhnika mladezh no.7:20-22 '57.

YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Application - Food Industry.

Abs Jour : Ref Zhur - Khiriya, No 9, 1958, 30649

Author : ~~Stolis, P.~~

Inst :

Title : The Slow and Quick Freezing of Meat.

Orig Pub : Veterin Glasnik, 11, No 2, 252-257, 1957, (in Serbo-Cro-  
atian with an English summary)

Abstract : A discussion of the microbiological, chemical, and phy-  
sical changes which accompany the quick and slow freezing  
of meat.  
The bibliography lists seven references.

Card 1/1

STOLIKO, Ya. Kh.

Holder attachment for round cutting tools. Stan.i instr. 24 no.7:35 J1 '53.  
(MLAA 6:8)  
(Metal cutting)

STOLIKO, Y. Kh.

Device for cutting threads. Stan. i instr. 24 no. 11:31 N '53.  
(NLSA 6:12)  
(Screw-cutting machines)

*STOLIKO, YA. KH.*

USSR/Miscellaneous - Tools

Card 1/1 ; Pub. 103 - 22/29

Authors ; Stoliko, Ya. Kh.

Title ; Screw tap-holder for threading on a lathe

Periodical ; Stan. 1 instr. 9, page 37, Sep 1954

Abstract ; A new screw tap-holder, which will eliminate the holding of the tap by hand during operation, for lathe threading and its mode of operation are described. Drawing.

Institution : ...

Submitted : ...

BOGTANITHIYAN, S.A. (Moskva); STOLIK, A.M. (Moskva).

Flow of a non-Newtonian fluid between two parallel planes.  
Izv. AN SSSR. Mekh. no.1:185-188 Ja-F '65.

(MIRA 18:5)

BOSTANDZHIAN, S.A. (Moskva); STOLIN, A.M. (Moskva)

Some cases of a flow of viscoplastic fluid in a flat gap  
between two coaxial cylinders. Izv. AN SSSR, Mekh.  
no. 4:160-166 JI-Ag '65. (MIRA 18:12)

EXCERPTA MEDICA Sec 15 Vol 9/11 Chest Diseases Nov 56

2719. ZEMANEK J., STOLIN O., NERADOVA O. and MACHYTKA M. Gottwaldova st. Léčebna pro Děti, Lužá-Kolumberk. \*Tuberkulózní meningitida a kostní a kloubní tuberkulózy. Tuberculous meningitis complicating bone and joint tuberculosis. ROZHLE. TUBERK. 1956, 15/3 (146-149)

Forty-five cases of tb meningitis occurring during 1940-54 at the children's sanatorium and complicating bone and joint tb are reported. Twenty-eight cases were associated with tb spondylitis. These had a more favourable outcome. Results have improved since the introduction of isoniazid; of 17 children treated at the sanatorium 15 were cured (1950-54). Blumberg - Jev. Rka (XV, 7, 8, 20)

SUS' ER, M., prof. dr., DrSc.; ČISARIK, A.; HAVRILA, L.; KOVAL, J.;  
DEŠKOV, J.; JABLONICKÝ S.; STOLHA, J.; SVATÝ, I.; VRZAL, J.;  
ZRUŠEČ, P.

Incidence of scleroma in eastern Slovakia. Cesk. otolaryng. 14  
no.1:10-13 P'65.

1. Otorinolaryngická klinika Lekárskej fakulty Univerzity P.J.  
Safarika v Košiciach (prednosta: prof. dr. M. Sustar, DrSc.)  
a O.L. oddelenia Okredného ústavu ľudského zdravia, Prešov, Kežmarok,  
Humenné, Spišská Nová Ves, Michalovce, Poprad a Rožňava.

STOLINA, M.

What is the reason for the drying of oak trees in Luborec? p. 11.  
LES. Bratislava. Vol. 1, no.5, May 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

STOLINA, Miroslav. Ing. PhD.

Importance of the forest structure for the course of epidemic disease  
caused by the fir bark beetle (*Choristoneura murinana* Hb.). Les cas 10  
no. 9:767-776 3 1964.

1. Higher School of Forestry and Wood, Svoboda.

1949, ...

РЕПЕ ДТОИНА, А.А. Клинические Варианты Психозов При Внечерепных  
Каналиях, Сообшч. 2. Сборник Науч. Работ Психиатр. Института  
Кашченко, No. 6, 1949, S. 66-73

SO: Lotopis' No. 33, 1949

*Stolinski, Stefan*  
POLAND/Chemical Technology. Chemical Products and their Application. J-12  
Glass. Ceramics. Construction Materials.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27777.

Author : Kazimierz Cichon, Stefan Stolinski.

Inst :

Title : Slag Cement Manufactured by Mixing Portland Cement "250" with  
Milled Granulated Blast Furnace Slag.

Orig Pub: Cement. Wapno. Gips., 1956, 12, No 10, 226-228.

Abstract: Experiments of producing slag-Portland cement (SPC) by separate  
milling of basic components are described. Portland cement of  
the "250" brand and two kinds of slag-basic and acid- were  
taken for the experiments. The dosage of slag in the mixtures  
was from 20 to 70%. The strength of the produced SPC at all the  
slag dosages (with the exception of 70% of acid slag at the 7th  
day's test) was not only not below the strength of the initial  
Portland cement, but even exceeded it.

Card : 1/1

-123-

STOLITSA, Ye.I. [deceased]

On the "Ermak" in the ice north of Spitsbergen. Let. Sev. 3:  
148-157 '62. (MIRA 15:8)

(Arctic regions--Russian exploration)

STOLKA, M.

CZECHOSLOVAKIA

STOLKA, M.; WEDEKAL, J.; ECHSLEP, I.

Institute of Physical Chemistry of the Czechoslovak Academy  
of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 6, 1961, pp 1535-1539

"Preparation of  $\beta$ , $\delta$ -Polyisoprene and its Infra-Red Spectrum."

Distr: 4E2c(j)/4E3d

✓ Thermodiffusion distribution curve of polychloroprene.  
 Ivo Kocler and Milan Štolka (Czech. Acad. Sci., Prague).  
*J. Polymer Sci.* 44, 213-22 (1960).—Polychloroprene solns.  
 were fractionated in a variety of thermodiffusion cells to  
 qual. evaluate some factors affecting the degree of sepa.  
 Fractionation of a 58-g. sample of polychloroprene in 101  
 ml. benzene,  $[\eta] = 1.14$ , in a 2-reservoir app. with an 0.5  
 mm. wide diffusion chamber having a horizontal temp. gradi-  
 ent of  $700^\circ/\text{cm}$ . gave a reduced partition coeff.  $\gamma = (c_1/c_2)$   
 $-1$  of 12 at equil., where  $c_1$  and  $c_2$  are concns. in lower and  
 upper reservoirs, resp. The inversion phenomenon ob-  
 served (*ibid.* 29, 60(1958)) for poly(butyl methacrylate) was  
 not found. Tests in a 5-reservoir app. showed minor inver-  
 sion in each cell during the first few hrs. Sepa. efficiency  
 was improved by decreasing the vol. of the lower cells, re-  
 ducing the horizontal temp. gradient in the lower part of  
 the diffusion chamber, and combining fractionation with  
 extr. into pure solvent. The sharpest fractionation, as  
 measured by integral distribution curves of wt. % polymer  
 vs. intrinsic viscosity, was obtained in a diffusion app. hav-  
 ing 22 syringe sampling points, a  $1600 \times 60 \times 0.3$  mm. dif-  
 fusion chamber, and no reservoirs. By filling the lower  
 part of the cell with benzene and the upper part with poly-  
 mer soln. and employing a programmed temp. gradient, an  
 integral-distribution curve was obtained having two inflec-  
 tion points similar to distribution curves obtained by frac-  
 tional pptn.

J. V. E. Healy

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 1-BM(014)  
 1-577 (43)  
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ji  
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CZECHOSLOVAKIA

STOLKA, M; VODEHNAL, J; KOESSLER, I.

Institute of Physical Chemistry of the Czechoslovak Academy  
of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications,  
No 6, 1963, pp 1535-1539

"Preparation of 3,4-Polyisoprene and its Infra-Red Spectrum."

VASILENKO, D.P.; STEPKIN, N.S.; STOLKARTS, I.Z.

Umbilical hernias in newborn infants. Akush. i gin. 36 no.3:85-88  
My-Je '60. (MIRA 13:12)  
(HERNIA) (INFANTS (NEWBORN)—DISEASES)

STOLKARTS, I.Z., ordinator

Cyst of the external meniscus. Zdrav. Bel. 7 no.3:64-65 Mr '61.  
(MIRA 14:3)

1. Khirurgicheskoye otdeleniye nedsanchesti Minskogo avtosavoda  
(zaveduyushchiy otdeleniyem Yu.I.Tayts, glavnyy vrach A.P.Kabakov).  
(KNEE—DISEASES) (CISTS)

ZLOTNIK, E.I.; STOLKARTS, I.S.; SVITO, F.I. (Minsk)

Dehydrating effect of a hypertonic urea solution. Vrach.delo  
no.11:77-81 N '62. (MIRA 16:2)

1. Neyrokhirurgicheskoye otdeleniye (zav. - E.I. Zlotnik) Belorusskogo nauchno-issledovatel'skogo instituta nevrologii, neyrokhirurgii i fizioterapii.  
(BRAIN--SURGERY) (UREA) (LYOPHILIZATION)

STOLKARTS, I.Z. (Minsk)

Intravenous administration of a hypertonic solution of lyophilized urea. Vop. neirokhir. 27 no.1:11-13 Ja-P '63. (MIRA 16:5)

1. Neyrokhirurgicheskoye otdeleniye Belorusskogo nauchno-issledovatel'skogo instituta nevrologii, neyrokhirurgii i fizioterapii.  
(UREA) (INJECTIONS, INTRAVENOUS)  
(BRAIN--DISEASES)

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1510  
AUTHOR ZAVOJSKIJ, E.K., BUTLOV, M.M., PLACHOV, A.G., STOL'KIN, G.E.  
TITLE On the Luminescence Chamber.  
PERIODICAL Atomnaja Energija. 1, fasc. 4, 34-37 (1956)  
Issued: 19.10.1956

The present work contains an accurate description of the main elements of this chamber. Such a main element is the electron-optic transformer which is constructed in accordance with the principle of the cascadelike electron-optic amplification of light. This transformer consists of an input- and some amplification-cascades which are connected by an optical contact (a thin film). On one side of the screen a fluorescent screen and on the other a photocathode is fitted. The focussing of the electronic image is discussed. In the domain between aperture and screen two pairs of deflecting lenses are fitted for high frequency development. The inertialess character of this device is of great advantage; it permits a development in cadres and a continuous high frequency development with a resolving time of  $10^{-8}$  and  $3 \cdot 10^{-12}$  sec respectively. In the case of static operation all cascades are fed by a sectioned high frequency source. For the recording of the traces of the cosmic rays a pulse-like method of feeding the output cascade was, however, selected. In frequent cases the cascade is fed with a pulselike high tension by means of special circuits. "Impulse shutters" are synchronized by means of a photomultiplier, a discriminator and a coincidence scheme (with a resolving power with respect to time of  $4 \cdot 10^{-8}$  sec). The mode of operation of the luminescence chamber is-

Atomnaja Energija, 1, fasc. 4, 34-37 (1956) CARD 2 / 2 PA - 1510

pends largely on the light yield, on the penetrability of the crystal for its own radiation, etc. However, even medium-quality crystals still produce passably good results. The spectrum of the radiation of CsJ(Tl) is nearly in full agreement with the curve of the spectral sensitivity of an antimony-cesium photocathode. The image of the trace consists of individual points which are separated from one another by interspaces. With conditions otherwise being equal the length of these intervals depends on the specific ionization of the particles, and it is just this dependence that can be used for the purpose of identifying the particles from their traces. In the case of strongly ionizing particles with dense traces the optic density along the trace is taken instead of the length of the intervals. The curves for range-energy and range-light yield in CsJ(Tl)-crystals, which are computed for this purpose, are given. In conclusion several photographs of proton traces in a CdJ(Tl) crystal are attached and discussed; they have been obtained by means of a neutron beam of the synchrocyclotron of the Institute for Nuclear Physics of the Academy of Science of the USSR.

INSTITUTION:

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1512  
AUTHOR ZAVOJSKIJ, E.K., STOLKIN, G.E.  
TITLE The Investigation of the Resolving Power with Respect to Time of  
Planeparallel Scintillation Counters.  
PERIODICAL Atomnaja Energija, 1, fasc. 4, 46-50 (1956)  
Issued: 19.10.1956

Scintillation counters have a particularly high resolving power with respect to time, and it is shown here that the resolvable time can be reduced to

$10^{-10}$  sec. This sharp increase compared with the resolving power with respect to time of a Geiger-Mueller counter ( $10^{-7}$  sec.) is based above all on the shape of the electric field in the space between the electrodes. In planeparallel counters the field is homogeneous and sufficiently strong for the introduction of a shock ionization and for the production of electron-photon avalanches. Furthermore, the resolving power of such a counter depends also on the following factors: space between the electrodes, potential difference, gas filling of the counter and ionization capacity of the radiation to be recorded. The counters are filled with a mixture of argon and ether vapors.

The inertia of the counters was studied by measuring the relative delays of the spark discharge in two counters on the occasion of the recording of the  $\gamma$  -  $\gamma$  - coincidences originating from the radioactive  $\text{Co}^{60}$  preparation. The scheme of the test arrangement is discussed on the basis of a drawing. In a common chamber two planeparallel scintillation counters are fitted; they contain steel electrodes as well as glass ones with a transparent conductive surface.

Atomnaja Energija, 1, fasc. 4, 46-50 (1956)

CARD 2 / 2

PA - 1512

The radioactive preparation is fitted between the two counters. The counting characteristics of the two counters used in this case are in good agreement and have a sufficiently good plateau, which extends up to 4000 V. The relative delays of the spark discharges in the counters were measured by recording with a sufficiently sensitive electronic transformer and by the application of a high frequency development of the electronic image. For this purpose the discharges of both counters were projected on to the photocathode of the transformer by means of prisms and by means of an objective. Two typical recordings of the spark discharges thus obtained are attached. The accuracy of measuring and possible sources of errors are mentioned. A delay of

$\sim 1,3 \cdot 10^{-11}$  sec is obtained. The errors are above all due to working with the photograph, and they attain  $5 \cdot 10^{-11}$  sec. Measuring results are given in a form of a histogram of the distributions of 269 relative delays. The half width of the curve is  $\sim 10^{-10}$  sec. Thus, the resolving power of planeparallel scintillation counters surpasses even that of scintillation counters, and it may, if necessary, be even increased to  $\sim 10^{-11}$  sec.

INSTITUTION:

1. Analysis of the causes of degradation in petroleum and gas refineries. Bezop. truda v prom. 8 no. 12:26-28 1984.

(MIRA 18-0)

DUBINSKIY, S.L., inzhener; RUSANOVA, Ye.I., kandidat tekhnicheskik nauk;  
STOLL, B.F., inzhener.

Calculation of toroidal expansion joints for low-pressure piping.  
Sudostroenie 22 no.5:14-16 K: '56. (MIRA 9:9)  
(Marine pipe fitting)

STOLL, C.

"Remarks on the Preparations for Utilization of our Water Flow in Power Production" p. 313  
(VODNI HOSPODARSTVI, Vol. 3, No. 11, November 1953, Pfab, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954, Unclassified

STOLL, C.

Water management at the beginning of 1958.

P. 1. (VOLNI HOSPODARSTVI) (Praha, Czechoslovakia) Vol. No. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

STON, C.

70th birthday of Academician Theodor Jezdik, p. 477.

VOJNI HOSPODARSTVI. (Ministerstvo energetiky a vojního hospodarství a  
Vedecká technická společnost pro vojní hospodarství) Praha, Czechoslovakia,  
No. 11, Nov. 1959.

Monthly List of East European Accession (ZEM), IC Vol. 9, no. 2,  
Feb. 1960.

Uncl.

Z/037/62/000/003/005/007  
E024/E435

AUTHOR: Štoll, I.

TITLE: Stability of periodic processes in plasma

PERIODICAL: Československý časopis pro fysiku, no.3, 1962, 252-271

TEXT: Review paper listing 103 references of which 63 are Soviet. Although a few older references are included, most of the work reviewed dates from the last five years (1957 - 1961). The following topics are discussed after a short general introduction: Basic equations, in particular Boltzmann's kinetic equation and its two extreme approximations, namely that for frequent collisions and that for infrequent collisions. Plasma without an external magnetic field (1. the hydrodynamic approximation; 2. Landau damping; 3. beam instability; 4. experimental difficulties). Plasma in an external magnetic field (1. hydrodynamic approximation; 2. drift approximation; 3. resonance heating of a plasma). There are 4 figures.

ASSOCIATION: Ústav jaderného výzkumu ČSAV, Řež  
(Institute for Nuclear Research ČSAV, Řež)

SUBMITTED: June 28, 1961  
Card 1/1

STOLL, Karel, inz. ...

The measuring of oscillations on models. Sdel tech 9 no.6:  
223 Je '61.

OSMI, K. 1947

"The Frequency of Acute Infectious Diseases of the Nervous System in Budapest.1"

Orvosok Lapja, Budapest, 1947 3/36(1462-1468)  
Abst: Evc. Let. IV, Vol. 11, No. 5, p. 533

STOIL, R., 1948

"The Activities of the Disinfecting Station in Budapest."

Orvosok Lapja, Budapest, 1948 4/2(10-11)  
Abst: Exc. Med. IV, Vol. 11, No. 1, p. 119

... of the City of Budapest. A Serological and Bacteriological Study of the Mortality of Contagious Diseases in the City of Budapest and the Modes of Prevention. Budapest 1948, 4/6 (324-331) Graphs 2 Tables 6

The mortality rate from infectious diseases in Budapest, as compared with the increase of population and mortality rates from all causes, has been steadily decreasing. The amelioration extends to all groups and becomes especially evident if data from the two World Wars are compared. The decrease of mortality rates from typhoid fever and diphtheria coincides with the introduction of compulsory vaccination against these diseases. In 1945 and 1947 there was a temporary increase in diphtheria mortality in consequence of the discontinuation of vaccinations. By 1947 mortality from most infectious diseases was lower than the mean of the years between the two wars. The decrease in the mortality rates from dysentery and whooping cough has been less favourable. Mortality from the latter diseases now attains or even surpasses those from scarlet fever, measles, typhoid fever and diphtheria, while at the beginning of the century it had amounted only to a fraction of those. It is recommended to control dysentery by the aid of the Soviet method of preventive vaccination with a mixture of different Sh. paradysenteriae strains. Immunization against whooping cough is urged. Results of BCG inoculation are said to seem promising.

Veghelyi - Budapest (XX, 4)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

STOLL, Kaiman, dr.

Unification of working methods in the sanitary service.  
Hepeszesseguy 36 no.2:49-52, 1955

(PUBLIC HEALTH  
in Hungary, organiz. of sanitary-epidemiol.centers)

STOLL, Kalman, dr.

Epidemiological role of district physicians in Budapest,  
Nepogyszeggy 36 no.7:186-190 July 55.

(EPIDEMIOLOGY;  
epidemiol. role of district physicians in Hungary.)  
(PUBLIC HEALTH,  
district physicians, epidemiol. role in Hungary.)

STOLL, Kalman, dr.

Liquidation of collectively occurring hepatitis in child  
collectives. *Nepégeszségügy* 37 no.8:220-224 Aug 56.

1. Közlemény a Budapest fővárosi községeszségügyi-jarvanyügyi  
allomasról (igazgató: Kapos, Vilmos, dr.).  
(HEPATITIS, INFECTIOUS, in inf. & child.  
prev. & control of epidemics in nurseries & kindergartens  
in Hungary (Hun))

STOLL, Kalman

Typhoid fever epidemiology in Budapest. Nepegezsseguy 38 no.8-9:  
193-205 Aug-Sept 57.

1. Közlemény a Budapest fővárosi községszeguyi-jarvanyugui allomasrol  
(igazgato-helyettes: Ferenci Endre dr.)  
(TYPHOID FEVER, epidemiol.  
in Budapest (Hun))

**FERENCZI, Endre, dr.; STOLL, Kálmán, dr.; VIRÁGH, Gyula, dr.**

**Epidemiological aspects of infectious enterocolitis in Budapest.  
Hepesgessegy 41 no.6:160-168 Jé '60.**

**(COLITIS epidemioi)**

STOLL, Kalman, dr.

Regulations for specific prevention of infectious diseases with special reference to whooping cough. *Nepesegsegugy* 42 no.9:262-268 S '61.

1. Kozlemany a Budapest Fovarosi Kozegeszsegugyi-Jarvanyiigyi Allomasrol (igazgato: Kapos Vilmos dr.)

(VACCINATION) (WHOOPING COUGH immunol)

STOLL, L.

Content of esterases in the blood plasma in healthy subjects and in recurrent tuberculosis. *Tuberculosis* 14 no.7:206-209 JI '61.

1. A Nemet Tudomanyos Akademia Osschasonlito Pathologiai Intezetenek (Berlin) kozlemenye (Igazgato: Prof. Dr. h.c. Dobberstein)

(ESTERASES blood) (TUBERCULOSIS blood)

STOLL, Lorant

"Nehezipari Muszaki Egyetem Közleményei", vol. 4, 1960; a  
periodical review by Lorant Stoll. Borsod szemle 5 no. 3:351-352 '61.

STOLL, Lorant, mernok

"A Nehezipari Muszaki Egyetem Kozlemenyei," vol.8; a periodical  
review. Borsod szemle 7 no.1:45 '63.

ST 11, 11.

Return to closed high-voltage distributors. p. 92. ELEKTROTECHNIK.  
(Ministerstvo strojirentsvi) Praha. Vol. 11, no. 3, Mar. 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

STOHA, J.

STOHA, J. Notes on Clear Water Month. p. 337.

Vol. 5, No. 9, Sept. 1955  
VĚSTNÍ ÚSPĚCHŮ  
TECHNICKÝ  
Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

KOZMA, Ferenc; STOLLAR, Andras; SZILAGYI, Tibor

Aspiration psychrometer with a thermistor. Idojaras ~~sz~~ no.1:44-47  
Ja-F '60. (EEAI 10:1)

(Hungary--Hygrometry)  
(Thermistors)

STOLLAR, Andras

Temperature of the coldest winter day in 1959-60 in soil, snow cover,  
and air. Idojaras 64 no.4:229-230 J1-Ag '60. (EBAI 10:2)  
(Winter) (Atmospheric temperature)  
(Soils) (Snow)

KOZMA, Ferenc; STOLLAR, Andras; SZILAGYI, Tibor

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